

WEB ACCESS: http://www.yorkville.com

WORLD HEADQUARTERS
CANADA

Yorkville Sound
550 Granite Court
Pickering, Ontario
L1W-3Y8 CANADA

Voice: (905) 837-8481
Fax: (905) 837-8746

U.S.A.

Yorkville Sound Inc.
4625 Witmer Industrial Estate
Niagara Falls, New York
14305 USA

Voice: (716) 297-2920
Fax: (716) 297-3689



Quality and Innovation Since 1963

Printed in Canada



SERVICE MANUAL

LS-Series Subwoofers

IMPORTANT SAFETY INSTRUCTIONS





INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).

NO USER SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Read Instructions

The Owner's Manualshould be read and understood before operation of your unit. Please, save these instructions for future reference.

Packaging

Keep the box and packaging materials, in case the unit needs to be returned for service.

Warning

When using electric products, basic precautions should always be followed, including the following:

Power Sources

Your unit should be connected to a power source only of the voltage specified in the owners manual or as marked on the unit. This unit has a polarized plug. Do not use with an extension cord or receptacle unless the plug can be fully inserted. Precautions should be taken so that the grounding scheme on the unit is not defeated.

Hazards

Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious personal injury and serious damage to the product. Use only with cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer.

The apparatus should not be exposed to dripping or splashing water; no objects filled with liquids should be placed on the apparatus.

Terminals marked with the “lightning bolt” are hazardous live; the external wiring connected to these terminals require installation by an instructed person or the use of ready made leads or cords.

Ensure that proper ventilation is provided around the appliance.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

Power Cord

The AC supply cord should be routed so that it is unlikely that it will be damaged. If the AC supply cord is damaged DO NOT OPERATE THE UNIT.

Service

The unit should be serviced only by qualified service personnel.

INSTRUCTIONS RELATIVES AU RISQUE DE FEU, CHOC ÉLECTRIQUE, OU BLESSURES AUX PERSONNES

AVIS:

AFIN DE REDUIRE LES RISQUE DE CHOC ELECTRIQUE, N'ENLEVEZ PAS LE COUVERT (OU LE PANNEAU ARRIERE)

NE CONTIENT AUCUNE PIECE REPARABLE PAR L'UTILISATEUR.

CONSULTEZ UN TECHNICIEN QUALIFIE POUR L'ENTRETIENT

Veuillez Lire le Manuel

Il contient des informations qui devraient êtres comprises avant l'opération de votre appareil. Conservez S.V.P. ces instructions pour consultations ultérieures.

Emballage

Conservez la boite au cas ou l'appareil devait être retourner pour réparation.

Attention:

Lors de l'utilisation de produits électrique, assurez-vous d'adhérer à des précautions de bases incluant celle qui suivent:

Alimentation

L'appareil ne doit être branché qu'à une source d'alimentation correspondant au voltage spécifié dans le manuel ou tel qu'indiqué sur l'appareil. Cet appareil est équipé d'une prise d'alimentation polarisée. Ne pas utiliser cet appareil avec un cordon de raccordement à moins qu'il soit possible d'insérer complètement les trois lames. Des précautions doivent êtres prises afin d'eviter que le système de mise à la terre de l'appareil ne soit désengagé.

Risque

Ne pas placer cet appareil sur un chariot, un support, un trépied ou une table instables. L'appareil pourrait tomber et blesser quelqu'un ou subir des dommages importants. Utiliser seulement un chariot, un support, un trépied ou une table recommandés par le fabricant ou vendus avec le produit. Suivre les instructions du fabricant pour installer l'appareil et utiliser les accessoires recommandés par le fabricant.

Il convient de ne pas placer sur l'appareil de sources de flammes nues, telles que des bougies allumées.

L'appeil ne doit pas être exposé à des égouttements d'eau ou des éclaboussures et qu'aucun objet rempli de liquide tel que des vases ne doit être placé sur l'appareil.

Assurez que lappareil est fourni de la propre ventilation.

Les dispositifs marqués d'une symbole “d'éclair” sont des parties dangereuses au toucher et que les câblages extérieurs connectés à ces dispositifs de connection extérieure doivent être effectivés par un opérateur formé ou en utilisant des cordons déjà préparés.

Cordon d'Alimentation

Évitez d'endommager le cordon d'alimentation. N'UTILISEZ PAS L'APPAREIL si le cordon d'alimentation est endommagé.

Service

Consultez un technicien qualifié pour l'entretien de votre appareil.

Parts List 12/6/2005

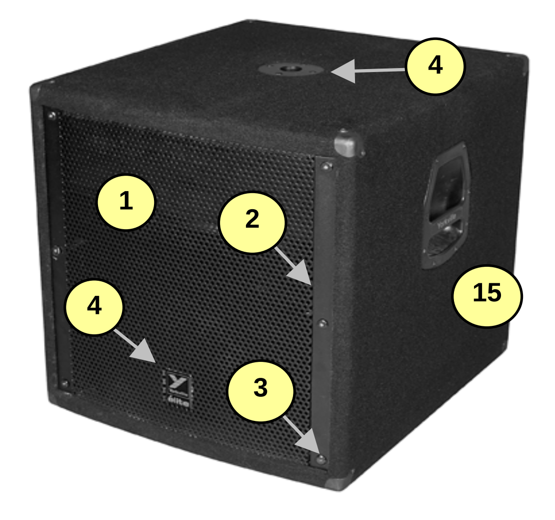
YS #	Description	Qty.
	LS608	
8483	ADAPTOR,SPEAKER STAND,METAL,BLACK	1
8547	PLASTIC FOOT BLACK, POLYETHYLENE	4
8562	CORNER, 3 LEGS, BLACK OXIDE	4
8569	CORNER, 2 LEGS NO LIP BLACK OXIDE	4
3924	1/4" JCK PCB MT VERT 2XTIP HICURNT	2
3628	SPKON 4C PCB MT VERT 250TAB GRY #4	2
8515	SMALL BLACK XOVERDISH PLASTIC CNFG1	1
8565	BAR HANDLE ALL METAL	2
8604	10-32 T NUT	8
8515DS	ALUMINIZED DECAL FOR 8515 SUBS ONLY	1
8259D	"Y" LOGO ELITE SERIES LARGE DOMED	1
3543	20 PIN BRKAWAY 90 LOCK .156	0.2
3549	TRIFURCON TERM .156	2
3558	TERM HOUSING 4 CIR .156/RAMP	1
4597	22AWG STRAN TC WIR JMP	10
8729	#4 X 3/8 FLAT QUAD TYPE A JS500 BLK	4
8801	6-32 X 3/8 PAN PH TAPTITE JS500	2
8811	#6 X 1 1/4 FLAT QDRX WS LR CLEAR ZN	8
8785	#8 X 3/4 OVAL PH TYPE A BLACK OXIDE	6
8815	8-32 X 3/4 PAN PH TAPTITE JS500	4
8756	#10 X 3/4 PAN PH TYPE A BLACK OXIDE	40
8781	#10 X 7/8 FLAT PHIL TYPE A JS500BLK	4
8786	10-32 X 1 1/4 PAN QD MS JS500 BLACK	8
8777	#14 X 1FLAT PH TYPE A JS500 M6 HEAD	4
8928	#14X11/4 ALLEN FLHD WOOD SCRW JS500	6
7458	18" 4R 800WPGM SPEAKER	1
8820	#8 FLAT WASHER JS500	8
3424	DPDT SLID SW PCMT H GOLD CONTACTS	1

YS #	Description	Qty.
	LS808	
8483	ADAPTOR,SPEAKER STAND,METAL,BLACK	1
8545	RECESSED RUBBER BUMPER WITH WASHER	2
8562	CORNER, 3 LEGS, BLACK OXIDE	4
8569	CORNER, 2 LEGS NO LIP BLACK OXIDE	2
8579	4000 SERIES RIGID CASTER	2
3924	1/4" JCK PCB MT VERT 2XTIP HICURNT	2
3628	SPKON 4C PCB MT VERT 250TAB GRY #4	2
8515	SMALL BLACK XOVERDISH PLASTIC CNFG1	1
8551	BAR HANDLE RIGHT ANGLE TOP LOAD	1
8565	BAR HANDLE ALL METAL	2
8604	10-32 T NUT	8
3803	NYLON SECUR-A-TACH MINI PLASTIC TIE	1
8515DS	ALUMINIZED DECAL FOR 8515 SUBS ONLY	1
8259D	"Y" LOGO ELITE SERIES LARGE DOMED	1
3543	20 PIN BRKAWAY 90 LOCK .156	0.2
3549	TRIFURCON TERM .156	2
3558	TERM HOUSING 4 CIR .156/RAMP	1
4597	22AWG STRAN TC WIR JMP	10
8729	#4 X 3/8 FLAT QUAD TYPE A JS500 BLK	4
8801	6-32 X 3/8 PAN PH TAPTITE JS500	2
8785	#8 X 3/4 OVAL PH TYPE A BLACK OXIDE	6
8815	8-32 X 3/4 PAN PH TAPTITE JS500	4
8756	#10 X 3/4 PAN PH TYPE A BLACK OXIDE	46
8786	10-32 X 1 1/4 PAN QD MS JS500 BLACK	8
8777	#14 X 1FLAT PH TYPE A JS500 M6 HEAD	4
8928	#14X11/4 ALLEN FLHD WOOD SCRW JS500	8
8770	1/4-20 X 1 5/16 TRUSS PH MS JS500	10
7458	18" 4R 800WPGM SPEAKER	1
3424	DPDT SLID SW PCMT H GOLD CONTACTS	1

YS #	Description	Qty.
	LS1004	
8545	RECESSED RUBBER BUMPER WITH WASHER	2
8562	CORNER, 3 LEGS, BLACK OXIDE	2
8569	CORNER, 2 LEGS NO LIP BLACK OXIDE	4
8579	4000 SERIES RIGID CASTER	2
3924	1/4" JCK PCB MT VERT 2XTIP HICURNT	2
3628	SPKON 4C PCB MT VERT 250TAB GRY #4	2
8515	SMALL BLACK XOVERDISH PLASTIC CNFG1	1
8551	BAR HANDLE RIGHT ANGLE TOP LOAD	2
8565	BAR HANDLE ALL METAL	2
8604	10-32 T NUT	16
9897	CABINET COVER, BLACK, 54" WIDE	37.92
3803	NYLON SECUR-A-TACH MINI PLASTIC TIE	1
8515DS	ALUMINIZED DECAL FOR 8515 SUBS ONLY	1
8259D	"Y" LOGO ELITE SERIES LARGE DOMED	1
3543	20 PIN BRKAWAY 90 LOCK .156	0.2
3549	TRIFURCON TERM .156	2
3558	TERM HOUSING 4 CIR .156/RAMP	1
8602	1/4-20 T NUT	10
4597	22AWG STRAN TC WIR JMP	10
8729	#4 X 3/8 FLAT QUAD TYPE A JS500 BLK	4
8801	6-32 X 3/8 PAN PH TAPTITE JS500	2
8811	#6 X 1 1/4 FLAT QDRX WS LR CLEAR ZN	32
8785	#8 X 3/4 OVAL PH TYPE A BLACK OXIDE	11
8815	8-32 X 3/4 PAN PH TAPTITE JS500	4
8756	#10 X 3/4 PAN PH TYPE A BLACK OXIDE	58
8786	10-32 X 1 1/4 PAN QD MS JS500 BLACK	16
8928	#14X11/4 ALLEN FLHD WOOD SCRW JS500	8
8770	1/4-20 X 1 5/16 TRUSS PH MS JS500	10
7458	18" 4R 800WPGM SPEAKER	2
3424	DPDT SLID SW PCMT H GOLD CONTACTS	1

YS #	Description	Qty.
	LS1208	
8545	RECESSED RUBBER BUMPER WITH WASHER	2
8562	CORNER, 3 LEGS, BLACK OXIDE	2
8569	CORNER, 2 LEGS NO LIP BLACK OXIDE	4
8579	4000 SERIES RIGID CASTER	2
3924	1/4" JCK PCB MT VERT 2XTIP HICURNT	2
3628	SPKON 4C PCB MT VERT 250TAB GRY #4	2
8515	SMALL BLACK XOVERDISH PLASTIC CNFG1	1
8551	BAR HANDLE RIGHT ANGLE TOP LOAD	2
8565	BAR HANDLE ALL METAL	4
8604	10-32 T NUT	8
3803	NYLON SECUR-A-TACH MINI PLASTIC TIE	1
8515DS	ALUMINIZED DECAL FOR 8515 SUBS ONLY	1
8259D	"Y" LOGO ELITE SERIES LARGE DOMED	1
3543	20 PIN BRKAWAY 90 LOCK .156	0.2
3549	TRIFURCON TERM .156	2
3558	TERM HOUSING 4 CIR .156/RAMP	1
8602	1/4-20 T NUT	26
4597	22AWG STRAN TC WIR JMP	10
8729	#4 X 3/8 FLAT QUAD TYPE A JS500 BLK	4
8801	6-32 X 3/8 PAN PH TAPTITE JS500	2
8811	#6 X 1 1/4 FLAT QDRX WS LR CLEAR ZN	28
8785	#8 X 3/4 OVAL PH TYPE A BLACK OXIDE	11
8815	8-32 X 3/4 PAN PH TAPTITE JS500	4
8753	#10 X 1/2 PAN PH TYPE A JS500 BLACK	14
8756	#10 X 3/4 PAN PH TYPE A BLACK OXIDE	64
8786	10-32 X 1 1/4 PAN QD MS JS500 BLACK	8
8928	#14X11/4 ALLEN FLHD WOOD SCRW JS500	8
8846	1/4-20 X 1 3/4 FLAT PH MS JS500	16
8770	1/4-20 X 1 5/16 TRUSS PH MS JS500	10
7460	18" 4R1200WPGM SPEAKER DCR3.9R	1
3424	DPDT SLID SW PCMT H GOLD CONTACTS	1

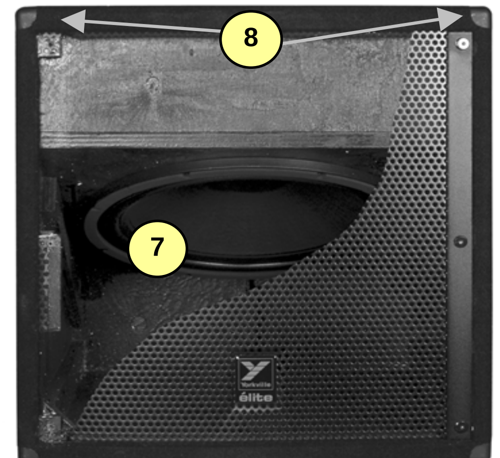


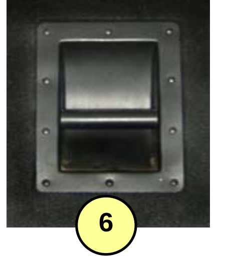


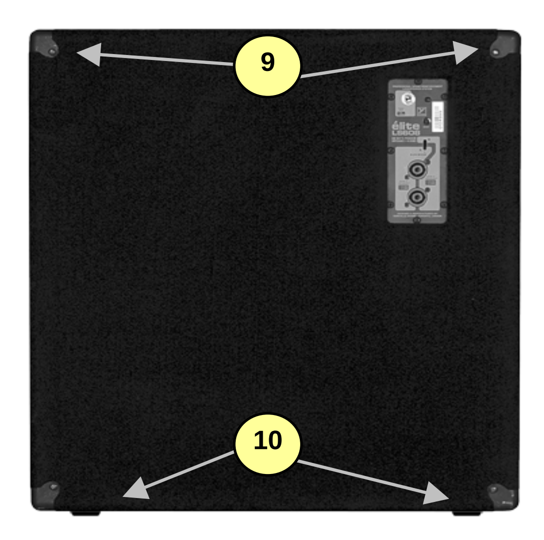


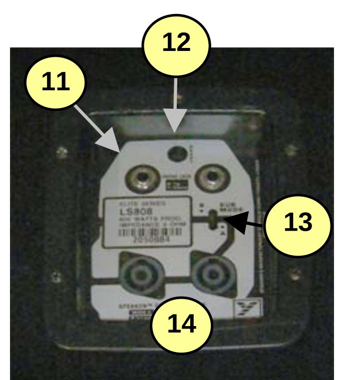
#	Part#	Description
Labeled Components		
1	Z388	LS608 GRILL
2	Z391	LS608 GRILL BAR
3	8929	#14X11/4 ALLEN FLHD WOOD SCRW J
4	8259D	"Y" LOGO ELITE SERIES LARGE DOMED
5	8483	ADAPTER, SPEAKER STAND, METAL, BLACK
6	8565	BAR HANDLE ALL METAL
7	18/029Y4M	18" 8R 800WPGM SPEAKER
8	8569	CORNER. 2 LEGS NO LIP BLACK OXIDE
9	8562	CORNER. 3 LEGS BLACK OXIDE
10	8547	PLASTIC FOOT BLACK, POLYETHYLEN
11	3924	1/4" JCK PCB MT VERT 2XTIP
12	2419	5.00 AMP CIRCUIT BREAKER PC MOUNT
13	3424	DPDT SLID SW PCMT H GOLD CONTAC
14	3628	SPKON 4C PCB MT VERT 250TAB GRY
15	8536	POCKET HANDLE, PLASTIC, TEARDROP (OLD)
16		
17		
18		
19		
20		
21		
22		

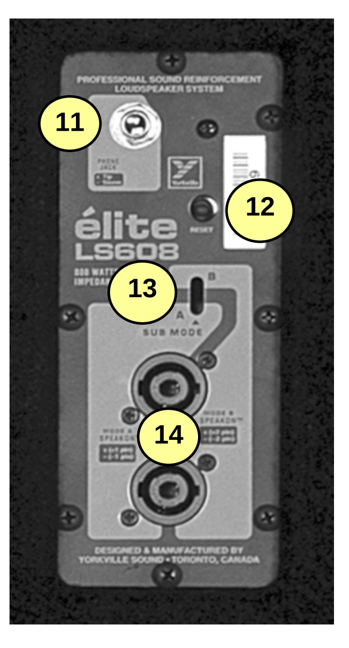
Note: Current model does NOT use a circuit breaker







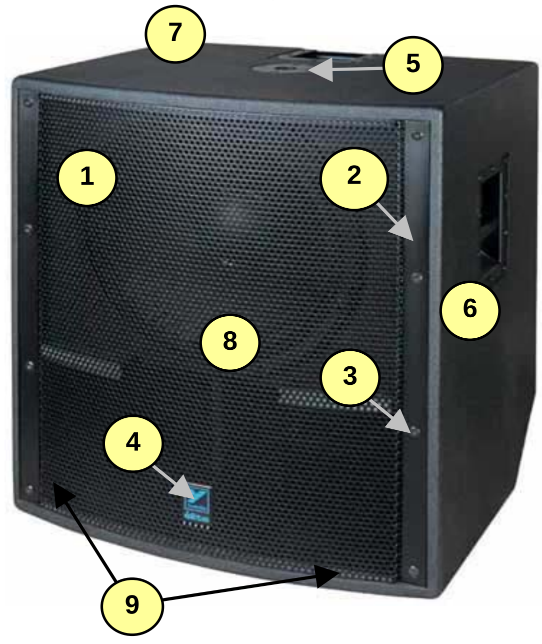




*NOTE: Replacement grills and supports are 'Special-Order' and are only available while the model is in production.

**Real Gear.
Real People.**

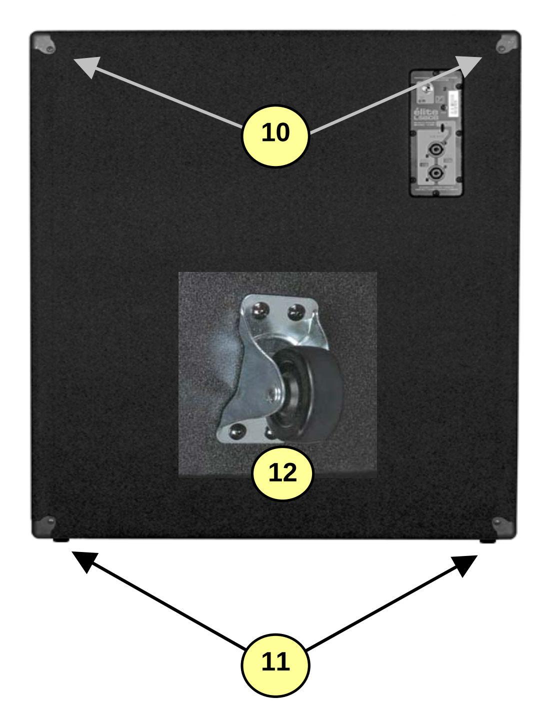




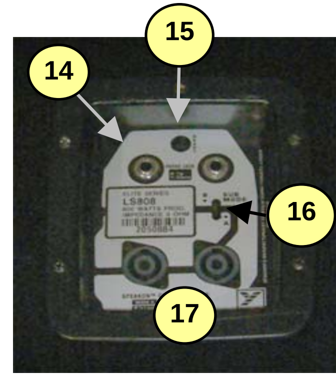
#	Part#	Description
Labeled Components		
1	Z605	LS808 GRILL
2	Z606	LS808 GRILL BAR
3	8929	#14X11/4 ALLEN FLHD WOOD SCRW J
4	8259D	"Y" LOGO ELITE SERIES LARGE DOMED
5	8483	ADAPTER, SPEAKER STAND, METAL, BLACK
6	8565	BAR HANDLE ALL METAL
7	8551	BAR HANDLE RIGHT ANGLE TOP LOAD
8	18/029Y4M	18" 8R 800WPGM SPEAKER
9	8569	CORNER. 2 LEGS NO LIP BLACK OXIDE
10	8562	CORNER. 3 LEGS BLACK OXIDE
11	8545	RECESSED RUBBER BUMPER WITH WASHER
12	8579	4000 SERIES RIGID CASTER 822
13	8551	BAR HANDLE RIGHT ANGLE TOP LOAD
14	3924	1/4" JCK PCB MT VERT 2XTIP
15	2419*	5.00 AMP CIRCUIT BREAKER PC MOUNT
16	3424	DPDT SLID SW PCMT H GOLD CONTAC
17	3628	SPKON 4C PCB MT VERT 250TAB GRY
18	8545**	RECESSED RUBBER BUMPER WITH WAS
19		
20		
21		
22		

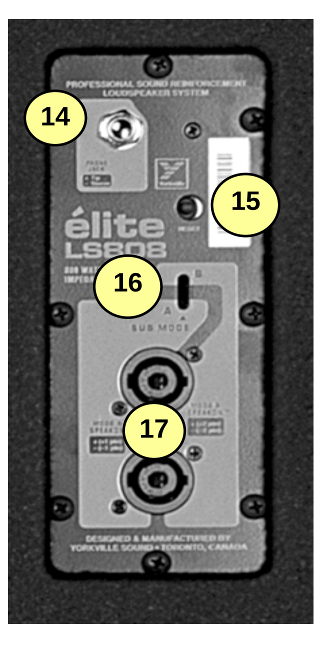
* Note: Current model does NOT use a circuit breaker

** Rubber feet used on 'wheeled' version



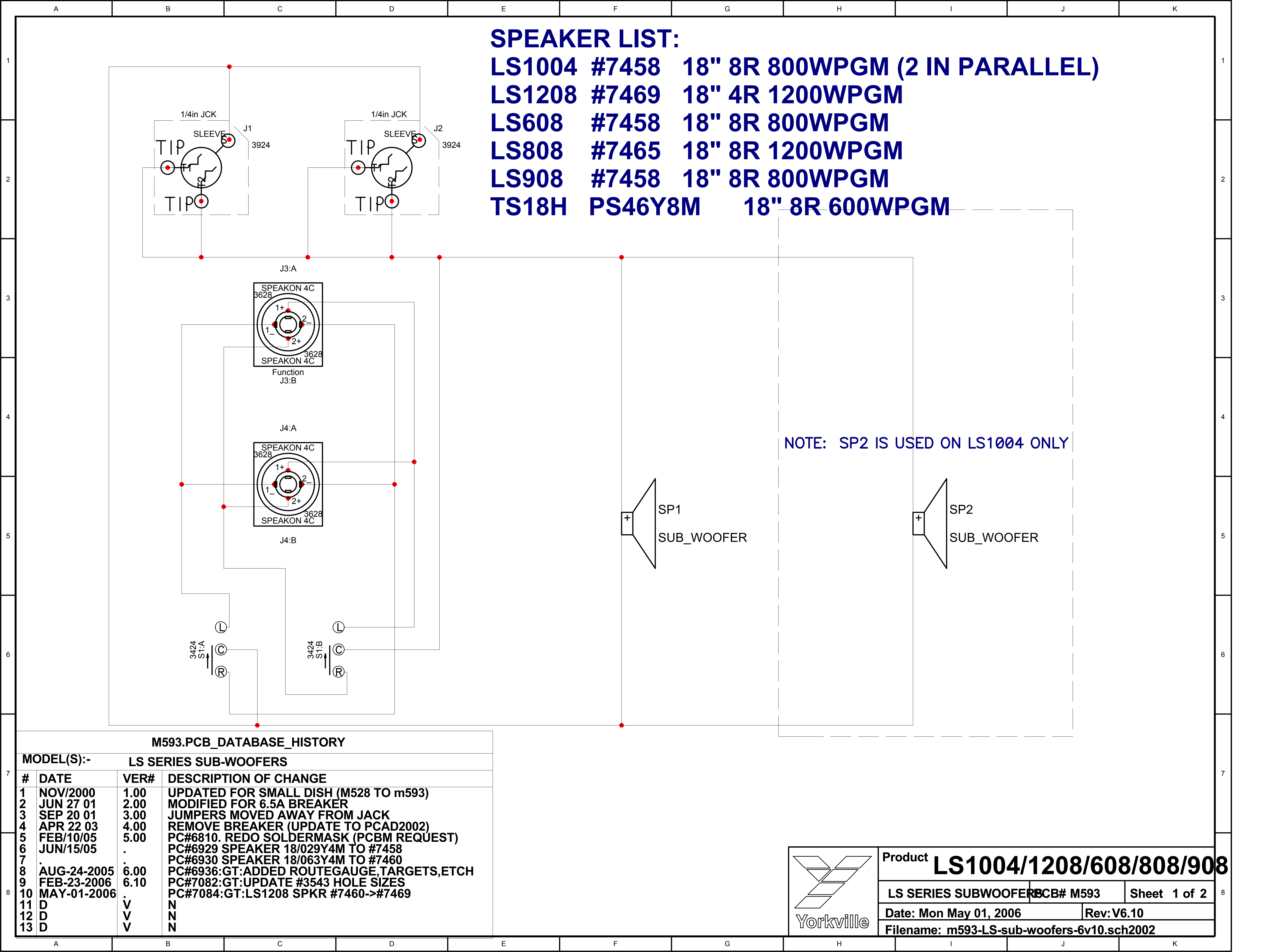




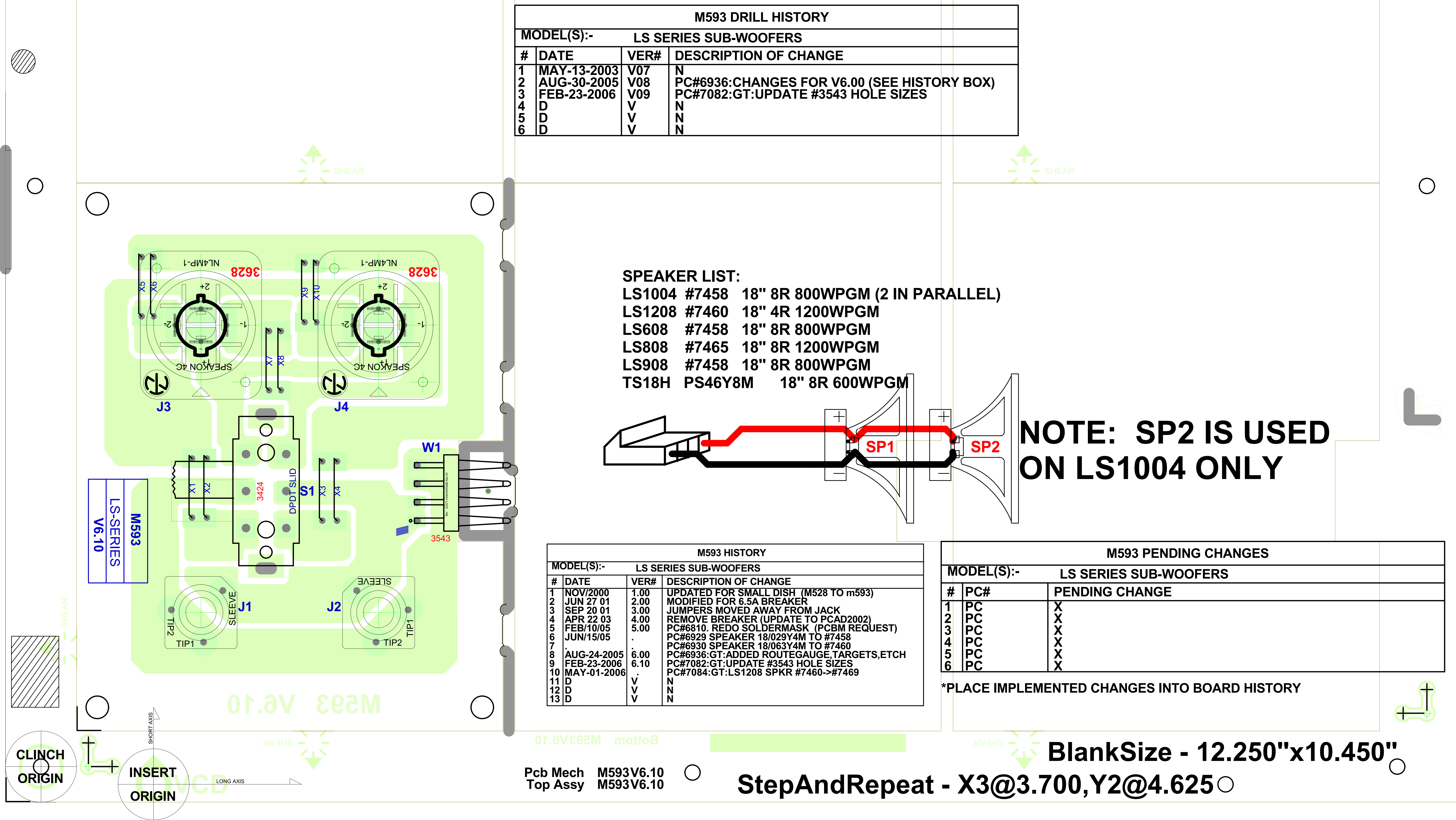


*NOTE: Replacement grills and supports are 'Special-Order' and are only available while the model is in production.

**Real Gear.
Real People.**



SPEAKER LIST:
LS1004 #7458 18" 8R 800WPGM (2 IN PARALLEL)
LS1208 #7469 18" 4R 1200WPGM
LS608 #7458 18" 8R 800WPGM
LS808 #7465 18" 8R 1200WPGM
LS908 #7458 18" 8R 800WPGM
TS18H PS46Y8M 18" 8R 600WPGM
1/4in JCK
J1
SLEEVE
3924
TIP
1/4in JCK
J2
3924
J3:A
SPEAKON 4C
3628
Function
J3:B
J4:A
J4:B
NOTE: SP2 IS USED ON LS1004 ONLY
SP1
SUB_WOOFER
SP2
SUB_WOOFER
3424
S1:A
S1:B
M593.PCB_DATABASE_HISTORY
MODEL(S):- LS SERIES SUB-WOOFERS
DATE VER# DESCRIPTION OF CHANGE
1 NOV/2000 1.00 UPDATED FOR SMALL DISH (M528 TO m593)
2 JUN 27 01 2.00 MODIFIED FOR 6.5A BREAKER
3 SEP 20 01 3.00 JUMPERS MOVED AWAY FROM JACK
4 APR 22 03 4.00 REMOVE BREAKER (UPDATE TO PCAD2002)
5 FEB/10/05 5.00 PC#6810. REDO SOLDERMASK (PCBM REQUEST)
6 JUN/15/05 . PC#6929 SPEAKER 18/029Y4M TO #7458
7 . . PC#6930 SPEAKER 18/063Y4M TO #7460
8 AUG-24-2005 6.00 PC#6936:GT:ADDED ROUTEGAUGE,TARGETS,ETCH
9 FEB-23-2006 6.10 PC#7082:GT:UPDATE #3543 HOLE SIZES
10 MAY-01-2006 . PC#7084:GT:LS1208 SPKR #7460->#7469
11 D V N
12 D V N
13 D V N
Yorkville
Product LS1004/1208/608/808/908
LS SERIES SUBWOOFERS PCB# M593
Sheet 1 of 2
Date: Mon May 01, 2006
Rev: V6.10
Filename: m593-LS-sub-woofers-6v10.sch2002



M593 DRILL HISTORY

MODEL(S):- LS SERIES SUB-WOOFERS

#	DATE	VER#	DESCRIPTION OF CHANGE
1	MAY-13-2003	V07	N
2	AUG-30-2005	V08	PC#6936:CHANGES FOR V6.00 (SEE HISTORY BOX)
3	FEB-23-2006	V09	PC#7082:GT:UPDATE #3543 HOLE SIZES
4	D	V	N
5	D	V	N
6	D	V	N

M593 HISTORY

MODEL(S):- LS SERIES SUB-WOOFERS

#	DATE	VER#	DESCRIPTION OF CHANGE
1	NOV/2000	1.00	UPDATED FOR SMALL DISH (M528 TO m593)
2	JUN 27 01	2.00	MODIFIED FOR 6.5A BREAKER
3	SEP 20 01	3.00	JUMPERS MOVED AWAY FROM JACK
4	APR 22 03	4.00	REMOVE BREAKER (UPDATE TO PCAD2002)
5	FEB/10/05	5.00	PC#6810. REDO SOLDERMASK (PCBM REQUEST)
6	JUN/15/05	.	PC#6929 SPEAKER 18/029Y4M TO #7458
7	.	.	PC#6930 SPEAKER 18/063Y4M TO #7460
8	AUG-24-2005	6.00	PC#6936:GT:ADDED ROUTEGAUGE,TARGETS,ETCH
9	FEB-23-2006	6.10	PC#7082:GT:UPDATE #3543 HOLE SIZES
10	MAY-01-2006	.	PC#7084:GT:LS1208 SPKR #7460->#7469
11	D	V	N
12	D	V	N
13	D	V	N

M593 PENDING CHANGES

MODEL(S):- LS SERIES SUB-WOOFERS

#	PC#	PENDING CHANGE
1	PC	X
2	PC	X
3	PC	X
4	PC	X
5	PC	X
6	PC	X